

<b>week 30:</b>	<b>the air that we breathe</b>
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***The air around us is very important and we need to make sure we look after it. Just like we need to look after any other natural resource.***

#### **Games:**

1. **Steam Release:** Tail Tall

***When the wind blows it is fun to fly kites .... Especially if they have long tails.***

*Games Module: page 68*

2. **Team:** Clothes on the clothesline

***The wind blows and helps the washing to get dry quicker.***

*Games Module: page 70*

3. **Circle:** Earth, air & water

***Different creatures live in different places.***

*Games Module: page 29*

4. **Relay:** Feather floating

*Games Module: page 32*

5. **Quiet/Revision:** Pollution poster

***Focus on air pollution.***

*Games Module: page 48*

6. **Team/Relay:** Fun with air!

Let the Cubs blow up a balloon and see who can burst theirs first. They can either blow up too much, sit on the balloon or stamp on it. Some children don't like bursting balloons so if this is the case let them cheer from the side-lines!

***Sometimes there are good smells in the air (like flowers) or bad smells (like a rubbish dump).***

#### **Sense Training:**

1. **Kim's Game:** Smells

*Games Module: page 61*

## 2. **Kim's Game:** Sight

Have pictures of things you may find in the air stuck up around a designated area. Include one or two pictures that should not be there e.g. an ostrich. The Cubs are to walk around and see if they can spot something that should not be there – i.e. something that will not float in the wind or does not fly.

### **Yarn:**

#### **Sharon finds the Environment**

*Yarn Module: page 46*

***You will be surprised when you see how dirty the air is around us ... or maybe not? Maybe it is still pretty clean ....***

### **Craft/Activity:**

#### 1. **Activity:** Pollution Catcher (Silver Wolf)

Each Cub will need a paper plate. Punch two holes in the plate so that you can thread some string or yarn through to hang the plates up – either in a sheltered spot outside or in the window or even just hang it inside. On the one side of the plate get the Cubs to draw a wonderful picture of a nice clean Earth. On the other side, cover with some petroleum jelly e.g. Vaseline. Hang up the pollution catcher either in the meeting place or let them take it home to hang up there. After a week or so, come back and examine the specks of pollution which have been caught by the petroleum jelly. Best results after two weeks.

Here is an informative booklet which has some other experiments for the Cubs to do to show the level of air pollution in our communities. Easy reading for Cubs!

[http://airalliancehouston.org/wp-content/uploads/OZ\\_Activity\\_Guide.pdf](http://airalliancehouston.org/wp-content/uploads/OZ_Activity_Guide.pdf)

#### 2. **Activity:** Acid Rain experiment (Gold Wolf)

Acid rain has killed many trees especially in the past 20 years. Acid rain is caused by air pollution. When clean rain water falls through polluted air, the rainwater becomes polluted. It becomes acid. This experiment will show you what that means.

**Definition:** Acid rain – rainwater that gets polluted by falling through polluted air. It can kill trees.

Look at these web sites for experiment ideas – choose the one which will suit your Pack. Please note that some of these experiments do take time so think about how best you can do it with the Cubs. You can choose for each Cub to do their own experiment at home so that they can monitor it themselves. Or you can opt to do one experiment at the hall during a meeting and you control it and bring the results to them at the next meeting? Some of the experiments can be done with results showing immediately .... Your choice!

Effect of acid rain on plants: <http://weirdsciencekids.com/AcidRainExperiment.html>

Effect of acid rain on stone:

<http://www.eh.uc.edu/cares/kids/games/images/AcidRainExperiment.pdf>

Effect of acid rain on the oceans (quick experiment):

<https://www.youtube.com/watch?v=VqycafnVa9c>

3. **Handcraft:** Things that fly - Exploding Stick Bombs

No instructions are available but this is what it looks like:

Throw it and it explodes on impact – then you start all over again!



**Singing/Play Acting:**

1. **Singing:** He's got the whole world in His hands

He's got the whole world in His hands  
He's got the whole world in His hands  
He's got the whole world in His hands  
He's got the whole world in His hands

He's got you and me brother/sister in His hands

He's got the Cubs and Scouts in His hands

He's got everybody here in His hands

2. **Playacting:** Tangled Knot

***We need to work together to develop and sustain a cleaner planet.***

*Playacting Module: page 11*

**Advancement covered:**

**Silver Wolf:**

**Precious Planet:** Demonstrate how clean/dirty the water is that you use. Demonstrate how clean/dirty the air is that you use. **(Activity)**

**Gold Wolf:**

**Precious Planet:** Acid rain is a worldwide problem affecting our planet. Find out about acid rain and demonstrate how it affects our planet. **(Activity)**